

Coluccio, Tina (DEQ)

From: Ringuette, Lindsey (DEQ)
Sent: Monday, February 11, 2013 10:18 AM
To: Tornberg, David (TI) (David.Tornberg@riotinto.com)
Cc: Mariuzza, Kristen (TI) (Kristen.Mariuzza@riotinto.com); Coluccio, Tina (DEQ); Conroy, Randy (DEQ); Casey, Steve (DEQ); Pennala, Virginia (DEQ); Maki, Joe (DEQ)
Subject: KEMC - Industrial Storm Water at Humboldt Pit
Attachments: Humboldt Update.xls

Hey Dave,

It was great to talk with you on January 28, 2013, in regards to the NPDES and Industrial Storm Water permits that involve the Humboldt facility. The purpose of our discussion was to simply update the status of the permits, requirements, and changes that have been approved. I have been keeping a spreadsheet of the status of these permits, which is attached for easier reference. Please review the spreadsheet and let me know if you have any questions, comments, or changes associated with what we discussed. The main updates are as follows:

1. Industrial Storm Water Certificate of Coverage (COC) No. MIS210034 (Kennecott - Humboldt Pit): The COC that was reissued on 8-15-12 contains the following requirement: "a short-term storm water characterization study monitoring plan or monitoring data, as appropriate, shall be submitted on or before February 15, 2013." The only storm water outfall that this COC entails is the north end of the pit; therefore this plan would entail monitoring at this one outfall. However, NPDES Individual Permit (IP) No. MI0058649 for the Humboldt facility already has Industrial Storm Water permit requirements rolled into it, and a Short-Term Storm Water Characterization Study (STSWCS) has already been approved, monitoring is in progress, and the outfall at the north end of the pit is already one of the proposed monitoring locations (see rationale in #2 below). Completion of another STSWCS would be duplicative, therefore, the permit requirement in COC No. MIS210034 is unnecessary and will be removed.
2. COC No. MIS210034 (Kennecott - Humboldt Pit): This COC has remained active because storm water from the pit was not included in the original SWPPP for IP No. MI0058649 (even though the STSWCS under this IP included the pit area, and the rationale for this was because the STSWCS reflected the overall Surface Water Monitoring Plan as required under Part 632).
3. COC No. MIS210034 (Kennecott - Humboldt Pit): Kennecott may request termination of this COC after the cut-off wall has been constructed and the wastewater treatment plant is operating (estimated to be early 2014). Around this same time, KEMC will be working with the DEQ to reissue IP MI0058649 (expires 10-1-14); therefore, this permit will be opened up and modification can then be made to include the pit area (including

SWPPP update). The extended deadline to submit data from the STSWCS under MI0058649 remains at July 1, 2014, as we have agreed to in my email to you on 8-28-12.

In summary, only one STSWCS will need to be completed at this time, and it will be completed under MI0058649 with a deadline of July 1, 2014. A request for termination of COC No. MIS210034 may be submitted to the DEQ once the cut-off wall has been constructed and the wastewater treatment plant is operating. The pit area (and SWPPP revisions) may then be added into IP No. MI0058649, as this permit will likely be open for reissuance at approximately the same time.

Again, please feel free to contact me with any questions or concerns. Please also let me know that you are in receipt of this email and associated attachment for verification purposes.

Thanks.

Linds

FILE: ISW, Marquette County, Humboldt Pit (MIS210034)

FILE: NPDES, Marquette County, Humboldt (MI0058649)

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	ISW Permit	ISW Permit	Individual Permit (IP)
Designated Name	Kennecott - Humboldt Pit	Humboldt Mining-Champion	Kennecott-Humboldt Mill
COC No.	MIS210034	MIS310487	MI0058649
Issued	8/15/2012	4/22/2008	2/9/2010
Expires	4/1/2017	4/1/2013	10/1/2014
Status	Active	Terminated: 12-3-12	Active
Receiving Waters	Escanaba River	Black River	wetland contiguous w/MB Escanaba River
Landowner	Kennecott Eagle Minerals Company	O'Dovero Properties	Kennecott Eagle Minerals Company
Contact Person	Kristen Mariuzza, Environmental Manager	Peter O'Dovero	Kristen Mariuzza, Environmental Manager
Phone Number	(906) New Number at New Building?	(906) 475-9544	(906) New Number at New Building?
SIC Code	1044	1001	1021; 1061
Property Descrip.	NE 1/4 of SW 1/4 of Section 11	Section 11	NE 1/4 of SW 1/4 of Section 11
	T47N, R29W	T47N, R29W	T47N, R29W
Township	Humboldt	Humboldt	Humboldt
Known Info	<p>Strictly Just the Pit</p> <p>IP states that the permittee will install a cut-off wall and containment berm to eliminate storm water from the pit currently under MIS210034. Therefore, we cannot terminate MIS210034 until the wall is constructed. The wastewater discharge from the pit is already under the IP, but not the storm water. IP will require major modification.</p>	<p>Old Humboldt Mine Tailings Basins and Waste Rock Piles;</p> <p>The tailings basins are vegetated, industrial activity no longer exists, part of the property has been sold to the adjacent landowner (KEMC); therefore negating previous storm water outfalls, and beaver activity has maintained the water level in pond areas.</p>	<p>Pit and Mill Area</p> <p>Looking through SWPPP; storm water from the pit is not included. So, the IP will have to be modified to include the Pit Area; and the SWPPP modified to include the Pit Area. The STSWCS already includes the Pit Area. If the IP and associated SWPPP are modified, and cut-off wall and WWTP are operational, then KEMC can terminate MIS210034.</p>
Outfalls	<p>One; north to Escanaba River</p> <p>Only Storm Water</p>	Only Storm Water	<p>1. Outfall 001: process wastewater to Middle Branch Escanaba River</p> <p>2. Unspecified Amount of Storm Water to Surface Waters of the State</p>
Recommendation	<p>KEMC keep MIS210034 until cut-off wall has been constructed and wastewater treatment plant is operational (should coincide with time when IP is reopened for reissuance in 2014). KEMC request termination at this time.</p> <p>Fee: \$260 per year</p> <p>Requires a SWPPP and Certified Operator. Outfall is already included in STSWCS/Overall Surface Water Monitoring Plan for the facility, therefore, another STSWCS is not required (Due Date of 2-15-13 has been removed)</p>	<p>KEMC only purchased a portion of this property. KEMC should update SWPPP under MI0058649 to identify these minor changes.</p>	<p>IP will need to be renewed/reissued in 2014. Wait until this time to terminate MIS210034 and incorporate the pit area.</p> <p>NOTE: KEMC may elect to reopen the IP at the time of land transfer (which has already occurred), however, this will require a Major Modification, Public Notice Period and Fee. It has been recommended that KEMC wait until 2014 to incorporate the pit area.</p> <p>NOTE: STSWCS Due Date: July 1, 2014</p>